

Enrollment No: _____

Exam Seat No: _____

C.U.SHAH UNIVERSITY

Summer Examination-2019

Subject Name: Environmental Engineering & Management

Subject Code: 4TE01EEM2

Branch: B.Tech (All)

Semester: 1

Date : 26/03/2019

Time : 2:30 To 05:30

Marks : 70

Instructions:

- (1) Use of Programmable calculator & any other electronic instrument is prohibited.
 - (2) Instructions written on main answer book are strictly to be obeyed.
 - (3) Draw neat diagrams and figures (if necessary) at right places.
 - (4) Assume suitable data if needed.
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Q-1 **Attempt the following questions:** **(14)**

- a) Enlist the types of Environmental pollution.
- b) Define biome.
- c) Give two examples for pollutant free energy resources.
- d) Define evaporation.
- e) The concentration of which gas is highest in our environment?
- f) Name any two hotspots of biodiversity in India.
- g) What is nuclear pollution?
- h) Define ecology.
- i) Enlist the different categories of environment.
- j) Write the objective of ecology.
- k) Give two examples for non Renewable energy.
- l) Enlist the natural disasters.
- m) Give two examples for Abiotic component in environment.
- n) Define Potable water.

Attempt any four questions from Q-2 to Q-8

Q-2 **Attempt all questions** **(14)**

- (a) Explain the hydrological cycle with neat sketch. **08**
- (b) Differentiate between food chain and food web. **06**

Q-3 **Attempt all questions** **(14)**



	(a)	Explain pond ecosystem with examples.	08
	(b)	Write short notes on: (i) Producers (ii) Consumers (iii) Decomposers	06
Q-4		Attempt all questions	(14)
	(a)	What is land degradation and what are the causes of land degradation?	06
	(b)	Explain importance of afforestation.	06
	(c)	What is meant by Climate change?	02
Q-5		Attempt all questions	(14)
	(a)	Briefly describe the sources and effects of noise pollution.	06
	(b)	Write short notes on 'Air pollution prevention and control Act'.	08
Q-6		Attempt all questions	(14)
	(a)	Write short notes on solid waste management.	06
	(b)	How to create a public awareness about environment conservation.	04
	(c)	Define Kyoto protocol and Montreal protocol.	04
Q-7		Attempt all questions	(14)
	(a)	How do you justify India as a mega diversity nation? Explain it.	07
	(b)	Explain about the In-situ and Ex-situ conservation of biodiversity.	07
Q-8		Attempt all questions	(14)
	(a)	What are the threats of biodiversity in view of habitat loss and man-wild life conflicts?	08
	(b)	Write short notes on any two natural disasters and its mitigation measurement.	06

